

## Technical Data Sheet ---1180

Polyester-----based TPU (Thermoplastic Polyurethane)

### 1. Feathers:

Abrasion Resistance, Oil/Solvent Resistance, Low Temperature Flexibility, High Pressure Resistance, Outstanding Mechanical Properties.

### 2. Applications

Belting, Hose & Tube, Seal & Gasket, Compounding, Wire & Cable Automotive, Footwear, Castor, Overmolding etc

### 3. Properties

Properties	Standard	Unit	Value
<b>Physical Properties</b>			
Density	ASTM D792	g/cm	1.18
Hardness	ASTM D2240	Shore A	80
	ASTM D2240	Shore D	/
<b>Mechanical Properties</b>			
100% Modulus	ASTM D412	Mpa	5
300% Modulus	ASTM D412	Mpa	9
Tensile Strength	ASTM D412	Mpa	32
Tear Strength	ASTM D624	KN/m	90
Elongation at Break	ASTM D412	%	610
<b>Tg</b>	DSC	°C	-35

Note: The above values are shown as typical values should not be used as specifications.

**4. Package:** 25kg/bag.

### 5. Processing Guide

For optimum results, previous drying of the product during 3-4 hours at 100-110°C is available, in a hot air circulatory, vacuum or desiccant-air dryer.

### 6. Environmental & Healthy & Safety

Take MSDS for reference.